March 21, 2002

Mr. John E. Jones
United States Gypsum Company
P. O. Box 1377
Shoals, IN 47581

Re: R 101-13422-00001
First Reopening to Part 70 Operating Permit
T 101-7691-00001

Dear Mr. Jones:

United States Gypsum Company was issued a Part 70 Operating Permit on May 24, 1999. The Office of Air Quality determined that it was necessary to reopen your Part 70 permit. Notice of the permit reopening pursuant to 326 IAC 2-7-9(c) was provided on August 16, 2000. The notice was published in the newspaper on January 30, 2002.

On February 6, 2002, OAQ was notified that the responsible official had changed. Because of potential future changes in personnel, and to avoid excessive administrative permit amendments, only job titles are being listed. Pursuant to the provisions of 326 IAC 2-7-11 the permit is administratively amended as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary gypsum mining operation and gypsum wallboard and plaster products manufacturing plant.

Responsible Official:	~~David Wonnell~~ **Plant Manager**
Source Address:	State Road 650, Shoals, Indiana 47581
Mailing Address:	P.O. Box 1377, Shoals, Indiana 47581
SIC Code:	1499 and 3275
County Location:	Martin
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules

No other comments were received during the 30 day public notice comment period and the change is incorporated into your Part 70 permit.

As stated in the Notice, the language in 40 CFR Part 70.6(c)(5)(iii)(B)) was changed from "continuous or intermittent compliance" to "based on continuous or intermittent data" as part of the U.S. EPA's 1997 Compliance Assurance Monitoring rule making (Federal Register Volume 62, page 54900-54947, Wednesday, October 22, 1997). The U.S. District Court of Appeals, Washington D.C. ruled against EPA's language, saying that the Clean Air Act wording of continuous or intermittent compliance had to be used. (NRDC vs. EPA, #97-1727) Therefore, the following change is being made to your permit to be consistent with state and federal law.

Condition B.11(c)(3) is revised as follows:

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was ~~based on~~ continuous or intermittent ~~data~~;

(4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The name of IDEM's "Office of Air Management" was changed to "Office of Air Quality" on January 1, 2001. All references to "Office of Air Management" in the permit pages have been changed to "Office of Air Quality" and all references to "OAM" have been changed to "OAQ".

All other conditions of the permit shall remain unchanged and in effect. Please find enclosed the revised Title V Operating Permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janet Mobley, at (800) 451-6027, press 0 and ask for Janet Mobley or extension 2-8369, or dial (317) 232-8369.

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

PD/jm
Attachments: Title V Permit
cc: File - Martin County
Martin County Health Department
Air Compliance Section Inspector - Gene Kelso
IDEM's Southwest Regional Office
Compliance Data Section - Karen Nowak
Permit Review II - Janet Mobley

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

United States Gypsum Company
State Road 650
Shoals, Indiana 47581

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T101-7691-00001	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: May 24, 1999 Expiration Date: May 24, 2004

First Significant Source Modification No.: 101-11204, issued December 10, 1999
First Administrative Amendment No.: 101-11293, issued January 24, 2000
Second Administrative Amendment No.: 101-11873, issued March 27, 2000
Second Significant Source Modification No.: 101-14710, issued November 30, 2001
First Significant Permit Modification No.: 101-14797, issued December 17, 2001

First Reopening No.: R 101-13422-00001	Pages Affected: Entire Permit
Original signed by Paul Dubenetzky Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: March 21, 2002

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary gypsum mining operation and gypsum wallboard and plaster products manufacturing plant.

Responsible Official:	Plant Manager
Source Address:	State Road 650, Shoals, Indiana 47581
Mailing Address:	P.O. Box 1377, Shoals, Indiana 47581
SIC Code:	1499 and 3275
County Location:	Martin
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

The following gypsum ore mining and storage facilities:

(a) One (1) primary crusher, with a maximum throughput of 250 tons per hour, with particulate matter emissions uncontrolled, and exhausting inside the mine.

(b) One (1) mine shaft conveyor, used to convey gypsum ore from the mine to the surface, with a maximum throughput of 250 tons per hour, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(c) One (1) secondary crusher, with a maximum throughput of 250 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting inside the crusher building.

(d) Two (2) ore storage silos, each with a capacity of 500 tons, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(e) Ore storage piles, with a storage area of 3.75 acres, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(f) One (1) synthetic gypsum storage shed, with a capacity of 0.64 acres, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(g) One (1) synthetic gypsum storage bin, with a capacity of 60 tons, with particulate matter emissions controlled by filters, and exhausting inside the storage building.

(h) A conveying system, consisting of belt conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

The following bulk rock loading facilities:

(i) A conveying system, consisting of belt conveyors, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere.

(j) Two (2) rock ore screens, with a maximum throughput of 110 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(k) One (1) crusher, with a maximum throughput of 110 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(l) One (1) bulk rock storage silo, with a maximum capacity of 375 tons, with particulate matter emissions controlled by filters, and exhausting to the ambient air.

(m) One (1) loading station, with a maximum throughput of 150 tons per hour, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

The following rotary rock dryer facilities:

(n) A conveying system, consisting of belt and pneumatic conveyors and bucket elevators, with particulate matter emissions controlled by either partial or total enclosure, and exhausting to associated processes or inside the building.

(o) One (1) dryer feed bin, with a maximum throughput of 90 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(p) One (1) natural gas or fuel oil-fired rotary rock dryer, with a heat input capacity of 14 million Btu per hour, with a maximum throughput of 90 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as emission points 9 and 10, and exhausting to two (2) stacks, identified as S-9 and S-10, respectively.

The following glass batch production facilities:

(q) A conveying system, consisting of screw conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting to associated processes or inside the building.

(r) One (1) screening operation, identified as emissions point 13, with a maximum throughput of 10 tons per hour, with particulate matter emissions uncontrolled, and exhausting to one (1) stack, identified as S-13.

(s) One (1) glass batch separator, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 48, and exhausting to one (1) stack, identified as S-52.

(t) One (1) mill packing system, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 40, and exhausting to one (1) stack, identified as S-40.

The following landplaster production facilities:

(u) A conveying system, consisting of screw conveyors and pneumatic conveyors, with particulate matter emissions controlled by two (2) baghouses, identified as emissions points 11 and 12, and exhausting to two (2) stacks, identified as S-11 and S-12, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes.

(v) Two (2) Raymond grinding mills, identified as Mills #1 and 2, each with a maximum throughput of 37 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 11, and exhausting to one (1) stack, identified as S-11.

(w) Two (2) Raymond grinding mills, identified as Mills #3 and 4, each with a maximum throughput of 37 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 12, and exhausting to one (1) stack, identified as S-12.

(x) One (1) landplaster airveyor bin, with a capacity of 2 tons, with particulate matter emissions uncontrolled, and exhausting inside the building.

(y) One (1) landplaster bin, with a capacity of 7 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 36, and exhausting to one (1) stack, identified as S-36.

The following stucco production facilities:

(z) A conveying system, consisting of screw conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting to associated processes or inside the building.

(aa) One (1) landplaster filter box, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 26, and exhausting to one (1) stack, identified as S-26.

(bb) One (1) landplaster fines receiving system, with a maximum throughput of 6 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 48, and exhausting to one (1) stack, identified as S-52.

(cc) Four (4) kettle feed bins, each with a capacity of 60 tons, with particulate matter uncontrolled, and exhausting inside the building.

(dd) One (1) kettle feed bins, with a capacity of 100 tons, with particulate matter uncontrolled, and exhausting inside the building.

(ee) One (1) calcining kettle, identified as #1 MBR Kettle, with a maximum throughput of 35.2 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 1, and exhausting to one (1) stack, identified as S-1.

(ff) Three (3) natural gas-fired kettle burners, identified as #1 MBR Kettle Burners, each with a heat input capacity of 5 million Btu per hour, and exhausting to one (1) stack, identified as S-41.

(gg) One (1) hot pit, identified as Hot Pit #1, with a maximum throughput of 35.2 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 6, and exhausting to one (1) stack, identified as S-6.

(hh) One (1) calcining kettle, identified as Kettle #2, with a maximum throughput of 12 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 2, and exhausting to one (1) stack, identified as S-2.

(ii) One (1) natural gas or fuel oil-fired kettle burner, identified as Burner #2, with a heat input capacity of 12 million Btu per hour, and exhausting to one (1) stack, identified as S-42.

(jj) One (1) hot pit, identified as Hot Pit #2, with a maximum throughput of 12 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 7, and exhausting to one (1) stack, identified as S-7.

(kk) One (1) calcining kettle, identified as Kettle #3, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 3, and exhausting to one (1) stack, identified as S-3.

(ll) Two (2) natural gas or fuel oil-fired kettle burners, identified as Burner #3, with a combined heat input capacity of 15 million Btu per hour, and exhausting to one (1) stack, identified as S-43.

(mm) One (1) hot pit, identified as Hot Pit #3, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 8, and exhausting to one (1) stack, identified as S-8.

(nn) One (1) calcining kettle, identified as Kettle #4, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 4, and exhausting to one (1) stack, identified as S-4.

(oo) Two (2) natural gas or fuel oil-fired kettle burners, identified as Burner #4, with a combined heat input capacity of 15 million Btu per hour, and exhausting to one (1) stack, identified as S-44.

(pp) One (1) hot pit, identified as Hot Pit #4, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by enclosure, and vented to Hot Pit #3.

(qq) One (1) calcining kettle, identified as Kettle #5, with a maximum throughput of 27.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 5, and exhausting to one (1) stack, identified as S-5.

(rr) One (1) natural gas or fuel oil-fired kettle burner, identified as Burner #5, with a heat input capacity of 20 million Btu per hour, and exhausting to one (1) stack, identified as S-5.

(ss) One (1) hot pit, identified as Hot Pit #5, with a maximum throughput of 27.5 tons per hour, with particulate matter emissions controlled by enclosure, and vented to Kettle #5.

The following plaster production facilities:

(tt) A conveying system, consisting of screw and belt conveyors and bucket elevator, with particulate matter emissions controlled by four (4) baghouses, identified as emissions points 17, 25, 29 and 30, and exhausting to four (4) stacks, identified as S-17, S-25, S-29 and S-30, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(uu) One (1) tube mill feed bin, with a maximum throughput of 9.1 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 14, and exhausting to one (1) stack, identified as S-14.

(vv) One (1) tube mill, with a maximum throughput of 9.1 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 14, and exhausting to one (1) stack, identified as S-14.

(ww) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as emissions points 18 and 19, and exhausting to two (2) stacks, identified as S-18 and S-19.

(xx) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 20, and exhausting to one (1) stack, identified as S-20.

(yy) One (1) sand bulk loading bin, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 51, and each exhausting to one (1) stack, identified as S-55.

(zz) One (1) lime bulk loading bin, with a maximum capacity of 35 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 52, and exhausting to one (1) stack, identified as S-56.

(aaa) Two (2) perlite ore storage bins, each with a maximum capacity of 250 tons, with particulate matter emissions controlled by filters, and exhausting inside the building.

(bbb) One (1) natural gas or fuel oil-fired perlite ore expander, with a maximum throughput of 1.6 tons per hour, and a maximum heat input capacity of 16 million Btu per hour, with particulate matter emissions controlled by one (1) cyclone, identified as emissions point 43, and exhausting to one (1) stack, identified as S-47.

(ccc) One (1) plaster mixer, with a maximum throughput of 27 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 30, and exhausting to one (1) stack, identified as S-30.

(ddd) One (1) plaster packer, with a maximum throughput of 27 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 30, and exhausting to one (1) stack, identified as S-30.

The following stucco handling and storage facilities:

(eee) A conveying system, consisting of belt and pneumatic conveyors, with particulate matter emissions controlled by five (5) baghouses, identified as emissions points 16, 24, 28, 46,

and 47, and exhausting to five (5) stacks, identified as S-16, S-24, S-28, S-50, and S-51, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(fff) One (1) surge bin, with a maximum throughput of 55 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 15, and exhausting to one (1) stack, identified as S-15.

(ggg) Three (3) stucco storage bins, each with a maximum throughput of 30 tons per hour, with particulate matter emissions from each bin controlled by one (1) baghouse, identified as emissions points 21, 22 and 23, and each exhausting to one (1) stack, identified as S-21, S-22, and S-23, respectively.

(hhh) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 31, and exhausting to one (1) stack, identified as S-31.

(iii) One (1) stucco storage bin, with a maximum capacity of 1000 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 53, and exhausting to one (1) stack, identified as S-57.

The following #1 wallboard production facilities:

(jjj) A conveying system, consisting of screw and belt conveyors and bucket elevators, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50. Some portions of the conveying system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(kkk) One (1) stucco storage bin, with a maximum throughput of 25 tons per hour, with particulate matter emissions controlled by vent filters, and exhausting inside the building.

(lll) One (1) ball mill #1, with a maximum throughput of 0.38 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 37, and exhausting to one (1) stack, identified as S-37.

(mmm) Five (5) dry additive feeders, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 35, and exhausting to one (1) stack, identified as S-35.

(nnn) One (1) dry additive feeder, with particulate matter emissions uncontrolled, and exhausting inside the building.

(ooo) One (1) paper fiber hammermill, with a maximum throughput of 0.065 tons per hour, with particulate matter emissions controlled by two (2) cyclones and one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50.

(ppp) One (1) gypsum panel slurry mixer, with a maximum throughput of 46.5 tons per hour, and exhausting inside the building.

(qqq) One (1) forming belt, with a maximum throughput of 25,000 square feet per hour, and exhausting inside the building.

(rrr) One (1) natural gas or fuel oil-fired drying kiln, identified as emissions point 41, with a heat input capacity of 46.1 million Btu per hour, and exhausting to one (1) stack, identified as S-45. No. 2 fuel oil will also be used as a supplemental fuel.

(sss) One (1) end saw, with a maximum throughput of 46.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 33, and exhausting to one (1) stack, identified as S-33. During backup situations, particulate matter emissions are controlled by one (1) baghouse, identified as emissions point 34, and exhausted to one (1) stack, identified as S-34.

(ttt) Two (2) kerfing saws, with a maximum throughput of 10,000 square feet per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 54, and exhausting to one (1) stack, identified as S-58.

(uuu) Two (2) gypsum lay-in panel (GLIP) saws, with a maximum throughput of 7,000 square feet per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 55, and exhausting to one (1) stack, identified as S-59.

The following #2 wallboard production facilities:

(vvv) A conveying system, consisting of screw and belt conveyors and bucket elevators, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50. Some portions of the conveying system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(www) One (1) stucco storage silo, with a maximum throughput of 39 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 32, and exhausting to one (1) stack, identified as S-32.

(xxx) One (1) ball mill #2, with a maximum throughput of 0.15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 38, and exhausting to one (1) stack, identified as S-38.

(yyy) One (1) ball mill #3, with a maximum throughput of 0.38 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 39, and exhausting to one (1) stack, identified as S-39.

(zzz) Five (5) dry additive feeders, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 27, and exhausting to one (1) stack, identified as S-27.

(aaaa) One (1) paper fiber hammermill, with a maximum throughput of 0.065 tons per hour, with particulate matter emissions controlled by two (2) cyclones, identified as emissions point 45, and exhausting to one (1) stack, identified as S-49.

(bbbb) One (1) gypsum panel slurry mixer, with a maximum throughput of 64.5 tons per hour, and exhausting inside the building.

(cccc) One (1) forming belt, with a maximum throughput of 72,000 square feet per hour, and exhausting inside the building.

(dddd) One (1) natural gas or fuel oil-fired drying kiln, identified as emissions point 42, with a heat input capacity of 72.3 million Btu per hour, and exhausting to one (1) stack, identified as S-46. No. 2 fuel oil will also be used as a supplemental fuel.

(eeee) One (1) end saw, with a maximum throughput of 64.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 33, and exhausting to one (1) stack, identified as S-33. During backup situations, particulate matter emissions are controlled by one (1) baghouse, identified as emissions point 34, and exhausted to one (1) stack, identified as S-34.

The Dunnage machine facilities:

(ffff) One (1) Dunnage machine with saws, with a maximum throughput of 55 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 50, and exhausting to (1) stack, identified as S-54.

The following wallboard waste reclamation facilities:

(gggg) A conveying system, consisting of belt and screw conveyors and bucket elevator, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or inside the building.

(hhhh) One (1) waste wallboard shredder, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 50, and exhausting directly to the atmosphere.

(iiii) One (1) vibrating screens system, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting inside the building.

(jjjj) One (1) waste surge bin, with a maximum capacity of 20 tons, with particulate matter emissions controlled by filters, and exhausting inside the building.

(kkkk) One (1) synthetic gypsum and shredded wallboard storage bin, with a maximum capacity of 60 tons, with particulate matter emissions controlled by filters, and exhausting to inside the building.

(llll) One (1) natural gas or fuel oil-fired impact dryer mill, identified as the Williams Mill, with a maximum throughput of 40 tons per hour, with a heat input capacity of 40 million Btu per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 49, and exhausting to one (1) stack, identified as S-53.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);
(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

(a) Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7.

(b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled “Permit Shield.”

B.2 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2 and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-7-5(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-7-7(a)]

(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.

(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source’s potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.6 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

(c) Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAQ, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAQ, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

(a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, on the attached Certification Form, with each submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) PMP's shall be submitted to IDEM, OAQ, upon request and shall be subject to review and approval by IDEM, OAQ.

B.13 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.14 Permit Shield [326 IAC 2-7-15]

(a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.

(b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:

(1) The applicable requirements are included and specifically identified in this permit; or

(2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.

(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.

(e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) An emergency as defined in 326 IAC 2-7-1(12); or

(3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.

(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

(c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty

(30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-4]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due. [326 IAC 2-5-3]

(2) If IDEM, OAQ,, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

(a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

B.22 Operational Flexibility [326 IAC 2-7-20]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

(b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.23 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.24 Inspection and Entry [326 IAC 2-7-6(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]

(1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAQ, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAQ, nor an authorized representative, may disclose the information unless and until IDEM, OAQ, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]

(2) The Permittee and IDEM, OAQ, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]

Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) IDEM, OAQ, shall reserve the right to issue a new permit.

B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

The total source potential to emit PM and SO_2 is limited to less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 will not apply.

C.2 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period, as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.5 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.7 Operation of Equipment [326 IAC 2-7-6(6)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.10 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

(b) All test reports must be received by IDEM, OAQ within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAQ, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.11 Compliance Schedule [326 IAC 2-7-6(3)]

The Permittee:

(a) Has certified that all facilities at this source are in compliance with all applicable requirements; and

(b) Has submitted a statement that the Permittee will continue to comply with such requirements; and

(c) Will comply with such applicable requirements that become effective during the term of this permit.

C.12 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.13 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.

(b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.14 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.15 Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.17 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

(a) Submit:

(1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or

(2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and

(3) A verification to IDEM, OAQ, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

(b) Provide annual certification to IDEM, OAQ, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.18 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6] [326 IAC 1-6]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:

(1) This condition;

(2) The Compliance Determination Requirements in Section D of this permit;

(3) The Compliance Monitoring Requirements in Section D of this permit;

(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and

(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAQ upon request and shall be subject to review and approval by IDEM, OAQ. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :

(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.

(b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.

(c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:

(1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;

(3) An automatic measurement was taken when the process was not operating; or

(4) The process has already returned to operating within “normal” parameters and no response steps are required.

(d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ

may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.20 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.21 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

(a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

(d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

(e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.

(f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.22 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

(a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Records of required monitoring information shall include, where applicable:

(1) The date, place, and time of sampling or measurements;

(2) The dates analyses were performed;

(3) The company or entity performing the analyses;

(4) The analytic techniques or methods used;

(5) The results of such analyses; and

(6) The operating conditions existing at the time of sampling or measurement.

(c) Support information shall include, where applicable:

(1) Copies of all reports required by this permit;

(2) All original strip chart recordings for continuous monitoring instrumentation;

(3) All calibration and maintenance records;

(4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

(d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.23 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

(a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.

(e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports.

(f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Stratospheric Ozone Protection

C.24 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following gypsum ore mining and storage facilities:

(a) One (1) primary crusher, with a maximum throughput of 250 tons per hour, with particulate matter emissions uncontrolled, and exhausting inside the mine.

(b) One (1) mine shaft conveyor, used to convey gypsum ore from the mine to the surface, with a maximum throughput of 250 tons per hour, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(c) One (1) secondary crusher, with a maximum throughput of 250 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting inside the crusher building.

(d) Two (2) ore storage silos, each with a capacity of 500 tons, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(e) Ore storage piles, with a storage area of 3.75 acres, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

(f) One (1) synthetic gypsum storage shed, with a capacity of 0.64 acres, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(g) One (1) synthetic gypsum storage bin, with a capacity of 60 tons, with particulate matter emissions controlled by filters, and exhausting inside the storage building.

(h) A conveying system, consisting of belt conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limit [326 IAC 2-2][40 CFR 52.21]

The particulate matter emissions from the primary and secondary crushers shall not exceed 0.29 and 6.22 pounds per hour, respectively. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

D.1.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the gypsum ore mining and storage facilities shall not exceed 61 pounds per hour when operating at a process weight rate of 250 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.1.1 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.5 Visible Emissions Notations

(a) Daily visible emission notations of the storage piles shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.6 Record Keeping Requirements

(a) To document compliance with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of the storage piles.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following bulk rock loading facilities:

(i) A conveying system, consisting of belt conveyors, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or directly to the atmosphere.

(j) Two (2) rock ore screens, with a maximum throughput of 110 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(k) One (1) crusher, with a maximum throughput of 110 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(l) One (1) bulk rock storage silo, with a maximum capacity of 375 tons, with particulate matter emissions controlled by filters, and exhausting to the ambient air.

(m) One (1) loading station, with a maximum throughput of 150 tons per hour, with particulate matter emissions uncontrolled, and exhausting directly to the atmosphere.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limit [326 IAC 2-2][40 CFR 52.21]

The particulate matter emissions from the screening, crushing and loading operations shall not exceed 0.147, 1.10 and 0.020 pounds per hour, respectively. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

D.2.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the bulk rock loading facilities shall not exceed 55 pounds per hour when operating at a process weight rate of 150 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.2.1 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.5 Visible Emissions Notations

(a) Daily visible emission notations of the loadout station shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.6 Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain records of daily visible emission notations of the loadout station.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following rotary rock dryer facilities:

(n) A conveying system, consisting of belt and pneumatic conveyors and bucket elevators, with particulate matter emissions controlled by either partial or total enclosure, and exhausting to associated processes or inside the building.

(o) One (1) dryer feed bin, with a maximum throughput of 90 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting directly to the atmosphere.

(p) One (1) natural gas or fuel oil-fired rotary rock dryer, with a heat input capacity of 14 million Btu per hour, with a maximum throughput of 90 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as emission points 9 and 10, and exhausting to two (2) stacks, identified as S-9 and S-10, respectively.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from each rock dryer exhaust (S-9 and S-10) shall not exceed 2.34 pounds per hour. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the rock dryer, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.3.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the rotary rock dryer facilities shall not exceed 50 pounds per hour when operating at a process weight rate of 90 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.3.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from the rotary rock dryer shall not exceed five-tenths (0.5) pound per million Btu.

D.3.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.3.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.3.1, D.3.2 and D.3.3 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.3.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.3.7 Particulate Matter (PM)

Pursuant to PC (51) 1487, issued on May 20, 1981, the baghouses for PM control shall be in operation at all times when the rock dryer is in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.8 Visible Emissions Notations

(a) Daily visible emission notations of the rock dryer stack exhausts (S-9 and S-10) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.3.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 9 and 10) used in conjunction with the rock dryer, at least once daily when the rock dryer is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.3.10 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the rock dryer. All defective bags shall be replaced.

D.3.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.12 Record Keeping Requirements

(a) To document compliance with Conditions D.3.1(b), D.3.3 and D.3.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limits established in D.3.1(b) and D.3.3.

(1) Calendar dates covered in the compliance determination period;
(2) Actual fuel oil usage since last compliance determination period;
(3) Sulfur content and heat content;
(4) Sulfur dioxide emission rates.
(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.3.8, the Permittee shall maintain records of daily visible emission notations of the rock dryer stack exhausts.

(c) To document compliance with Condition D.3.9, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(c) To document compliance with Condition D.3.10, the Permittee shall maintain records of the results of the inspections required under Condition D.3.10.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.13 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.3.1(b) and D.3.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following glass batch production facilities:

(q) A conveying system, consisting of screw conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting to associated processes or inside the building.

(r) One (1) screening operation, identified as emissions point 13, with a maximum throughput of 10 tons per hour, with particulate matter emissions uncontrolled, and exhausting to one (1) stack, identified as S-13.

(s) One (1) glass batch separator, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 48, and exhausting to one (1) stack, identified as S-52.

(t) One (1) mill packing system, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 40, and exhausting to one (1) stack, identified as S-40.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

The particulate matter emissions from the screening operation and the packing system (S-13 and S-40) shall not exceed 0.38 and 0.58 pounds per hour, respectively. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

D.4.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the glass batch production facilities shall not exceed 19 pounds per hour when operating at a process weight rate of 10 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.4.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limits specified in Conditions D.4.1 and D.4.2 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.4.5 Particulate Matter (PM)

Pursuant to OP 51-03-85-0018, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the glass batch system is in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.6 Visible Emissions Notations

(a) Daily visible emission notations of the glass batch stack exhausts (S-13 and S-40) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.4.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 40) used in conjunction with the glass batch system, at least once daily when the glass batch system is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.4.8 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the glass batch system. All defective bags shall be replaced.

D.4.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.10 Record Keeping Requirements

(a) To document compliance with Condition D.4.6, the Permittee shall maintain records of daily visible emission notations of the glass batch system stack exhausts.

(b) To document compliance with Condition D.4.7, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(c) To document compliance with Condition D.4.8, the Permittee shall maintain records of the results of the inspections required under Condition D.4.8.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following landplaster production facilities:

(u) A conveying system, consisting of screw conveyors and pneumatic conveyors, with particulate matter emissions controlled by two (2) baghouses, identified as emissions points 11 and 12, and exhausting to two (2) stacks, identified as S-11 and S-12, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes.

(v) Two (2) Raymond grinding mills, identified as Mills #1 and 2, each with a maximum throughput of 37 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 11, and exhausting to one (1) stack, identified as S-11.

(w) Two (2) Raymond grinding mills, identified as Mills #3 and 4, each with a maximum throughput of 37 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 12, and exhausting to one (1) stack, identified as S-12.

(x) One (1) landplaster airveyor bin, with a capacity of 2 tons, with particulate matter emissions uncontrolled, and exhausting inside the building.

(y) One (1) landplaster bin, with a capacity of 7 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 36, and exhausting to one (1) stack, identified as S-36.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

The particulate matter emissions from the #1 and #2 grinding mill exhaust, the #3 and #4 grinding mill exhaust, and the mill LP storage bin exhaust (S-11, S-12 and S-36) shall not exceed 1.40, 1.17, and 0.35 pounds per hour, respectively. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

D.5.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the landplaster production facilities shall not exceed 55 pounds per hour when operating at a process weight rate of 148 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.5.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limits specified in Conditions D.5.1 and D.5.2 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.5.5 Particulate Matter (PM)

Pursuant to OP 51-03-85-0019, OP 51-03-85-0020, and OP 51-03-85-0026, issued on June 8, 1981, OP 51-03-85-0027, issued on June 10, 1981, PC (51) 1487, issued on May 20, 1981, and PC (51) 1596, issued on December 3, 1985, the baghouses for PM control shall be in operation at all times when the grinding mills are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.6 Visible Emissions Notations

(a) Daily visible emission notations of the grinding mill and mill LP bin stack exhausts (S-11, S-12 and S-36) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.5.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 11, 12 and 36) used in conjunction with the landplaster production facilities, at least once daily when the landplaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.5.8 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the landplaster production facilities. All defective bags shall be replaced.

D.5.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.10 Record Keeping Requirements

(a) To document compliance with Condition D.5.6, the Permittee shall maintain records of daily visible emission notations of the grinding mill stack exhausts.

(b) To document compliance with Condition D.5.7, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(c) To document compliance with Condition D.5.8, the Permittee shall maintain records of the results of the inspections required under Condition D.5.8.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following stucco production facilities:

(z) A conveying system, consisting of screw conveyors, with particulate matter emissions controlled by partial enclosure, and exhausting to associated processes or inside the building.

(aa) One (1) landplaster filter box, with a maximum throughput of 10 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 26, and exhausting to one (1) stack, identified as S-26.

(bb) One (1) landplaster fines receiving system, with a maximum throughput of 6 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 48, and exhausting to one (1) stack, identified as S-52.

(cc) Four (4) kettle feed bins, each with a capacity of 60 tons, with particulate matter uncontrolled, and exhausting inside the building.

(dd) One (1) kettle feed bin, with a capacity of 100 tons, with particulate matter uncontrolled, and exhausting inside the building.

(ee) One (1) calcining kettle, identified as #1 MBR Kettle, with a maximum throughput of 35.2 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 1, and exhausting to one (1) stack, identified as S-1.

(ff) Three (3) natural gas-fired kettle burners, identified as #1 MBR Kettle Burners, each with a heat input capacity of 5 million Btu per hour, and exhausting to one (1) stack, identified as S-41.

(gg) One (1) hot pit, identified as Hot Pit #1, with a maximum throughput of 35.2 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 6, and exhausting to one (1) stack, identified as S-6.

(hh) One (1) calcining kettle, identified as Kettle #2, with a maximum throughput of 12 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 2, and exhausting to one (1) stack, identified as S-2.

(ii) One (1) natural gas or fuel oil-fired kettle burner, identified as Burner #2, with a heat input capacity of 12 million Btu per hour, and exhausting to one (1) stack, identified as S-42.

(jj) One (1) hot pit, identified as Hot Pit #2, with a maximum throughput of 12 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 7, and exhausting to one (1) stack, identified as S-7.

(kk) One (1) calcining kettle, identified as Kettle #3, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 3, and exhausting to one (1) stack, identified as S-3.

(ll) Two (2) natural gas or fuel oil-fired kettle burners, identified as Burner #3, with a combined heat input capacity of 15 million Btu per hour, and exhausting to one (1) stack, identified as S-43.

Facility Description [326 IAC 2-7-5(15)]

The following stucco production facilities (contd.):

(mm) One (1) hot pit, identified as Hot Pit #3, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 8, and exhausting to one (1) stack, identified as S-8.

(nn) One (1) calcining kettle, identified as Kettle #4, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 4, and exhausting to one (1) stack, identified as S-4.

(oo) Two (2) natural gas or fuel oil-fired kettle burners, identified as Burner #4, with a combined heat input capacity of 15 million Btu per hour, and exhausting to one (1) stack, identified as S-44.

(pp) One (1) hot pit, identified as Hot Pit #4, with a maximum throughput of 15 tons per hour, with particulate matter emissions controlled by enclosure, and vented to Hot Pit #3.

(qq) One (1) calcining kettle, identified as Kettle #5, with a maximum throughput of 27.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 5, and exhausting to one (1) stack, identified as S-5.

(rr) One (1) natural gas or fuel oil-fired kettle burner, identified as Burner #5, with a heat input capacity of 20 million Btu per hour, and exhausting to one (1) stack, identified as S-5.

(ss) One (1) hot pit, identified as Hot Pit #5, with a maximum throughput of 27.5 tons per hour, with particulate matter emissions controlled by enclosure, and vented to Kettle #5.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from the stucco production facilities shall be limited as follows:

(1) PM emissions from kettle #1 through kettle #4 (S-1, S-2, S-3 and S-4) shall each not exceed 1.52 pounds per hour.

(2) PM emissions from kettle #5 (S-5) shall not exceed 3.27 pounds per hour.

(3) PM emissions from hot pit #1 through hot pit #3 (S-6, S-7 and S-8) shall each not exceed 0.58 pounds per hour.

(4) PM emissions from the LP filter box (S-26) shall not exceed 0.18 pounds per hour.

(5) PM emissions from the LP fines bin (S-52) shall not exceed 0.21 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the calcining kettle burners, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.6.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the stucco production facilities shall not exceed 52.3 pounds per hour when operating at a process weight rate of 110.7 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.6.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from the kettle burners shall not exceed five-tenths (0.5) pound per million Btu.

D.6.4 New Source Performance Standard [326 IAC 12] [40CFR 60, Subpart UUU]

(a) Pursuant to 40 CFR 60, Subpart UUU (Standards of Performance for Calciners and Dryers in Mineral Industries), the #1 MKB Calcining Kettle shall meet the following requirements:

(1) Particulate matter (PM) emissions from the #1 MKB Calcining Kettle stack (S-1) shall not exceed 0.040 grains per standard cubic foot.
(2) Opacity from the #1 MKB Calcining Kettle stack (S-1) shall not exceed ten percent (10%).
(3) The #1 MKB Calcining Kettle shall be subject to the emission limitations set forth in this condition on or after the date of the initial performance test is completed, but no later than 180 days after the initial startup, whichever comes first.

(b) Calcining kettles #2, #3, #4, and #5 are not subject to this rule because they were constructed and modified prior to April 23, 1986.

D. 6.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.6.6 Testing Requirements [326 IAC 2-7-6(1),(6)]

(a) The Permitee shall conduct performance tests required by 40 CFR 60.8, and shall determine compliance according to the methods and procedures specified in 40 CFR 60.736.

(b) Compliance testing for PM from the #1 MKB Calcining Kettle shall be performed within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up. These tests shall be performed in accordance with Section C - Performance Testing and 40CFR 60.736.

(c) The Permittee is not required to test the remaining stucco production facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.6.1, D.6.2 and D.6.3 and D.6.4 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing, and testing shall be done simultaneously at all emission points .

D. 6.7 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.6.8 Particulate Matter (PM)

Pursuant to OP 51-03-85-0021, OP 51-03-85-0022, OP 51-03-85-0023, OP 51-03-85-0024, issued on June 8, 1981, and PC (51) 1596, issued on December 3, 1985, the baghouses for PM control shall be in operation at all times when the calcining kettles are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.6.9 Visible Emissions Notations

(a) Daily visible emission notations of the kettle and hot pit stack exhausts (S-1 through S-8) and the filter box and landplaster bin stack exhausts (S-26 and S-52) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kettle burner stack exhausts (S-41 through S-44) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D. 6.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 1 through 8, Pt. 26 and Pt. 48) used in conjunction with the stucco production facilities, at least once daily when the associated stucco production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.6.11 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the stucco production facilities. All defective bags shall be replaced.

D.6.12 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not

described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-191

D.6.13 Record Keeping Requirements

(a) To document compliance with Conditions D.6.1(b), D.6.3 and D.6.7, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.6.1(b) and D.6.3.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period;

(3) Sulfur content and heat content;

(4) Sulfur dioxide emission rates.

(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.6.9, the Permittee shall maintain records of daily visible emission notations of the stucco production stack exhausts.

(c) To document compliance with Condition D.6.10, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(d) To document compliance with Condition D.6.11, the Permittee shall maintain records of the results of the inspections required under Condition D.6.11.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.6.14 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.6.1(b) and D.6.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

(b) To document compliance with Condition D.6.9, the Permittee shall certify, on the form provided, that natural gas was fired in the kettle burners #1 through #4 at all times during the report period. Alternatively, the Permittee shall report the number of days during which an alternate fuel was burned during the report period. The form shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported.

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]
The following plaster production facilities:

(tt) A conveying system, consisting of screw and belt conveyors and bucket elevator, with particulate matter emissions controlled by four (4) baghouses, identified as emissions points 17, 25, 29 and 30, and exhausting to four (4) stacks, identified as S-17, S-25, S-29 and S-30, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(uu) One (1) tube mill feed bin, with a maximum throughput of 9.1 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 14, and exhausting to one (1) stack, identified as S-14.

(vv) One (1) tube mill, with a maximum throughput of 9.1 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 14, and exhausting to one (1) stack, identified as S-14.

(ww) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by two (2) baghouses, identified as emissions points 18 and 19, and exhausting to two (2) stacks, identified as S-18 and S-19.

(xx) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 20, and exhausting to one (1) stack, identified as S-20.

(yy) One (1) sand bulk loading bin, with a maximum capacity of 60 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 51, and each exhausting to one (1) stack, identified as S-55.

(zz) One (1) lime bulk loading bin, with a maximum capacity of 35 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 52, and exhausting to one (1) stack, identified as S-56.

(aaa) Two (2) perlite ore storage bins, each with a maximum capacity of 250 tons, with particulate matter emissions controlled by filters, and exhausting inside the building.

(bbb) One (1) natural gas or fuel oil-fired perlite ore expander, with a maximum throughput of 1.6 tons per hour, and a maximum heat input capacity of 16 million Btu per hour, with particulate matter emissions controlled by one (1) cyclone, identified as emissions point 43, and exhausting to one (1) stack, identified as S-47.

(ccc) One (1) plaster mixer, with a maximum throughput of 27 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 30, and exhausting to one (1) stack, identified as S-30.

(ddd) One (1) plaster packer, with a maximum throughput of 27 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 30, and exhausting to one (1) stack, identified as S-30.

The following stucco handling and storage facilities:

(eee) A conveying system, consisting of belt and pneumatic conveyors, with particulate matter emissions controlled by five (5) baghouses, identified as emissions points 16, 24, 28, 46,

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.7.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from the plaster production facilities shall be limited as follows:

(1) PM emissions from tube mill/feed bin (S-14) shall not exceed 0.35 pounds per hour.

(2) PM emissions from conveyor points 17 and 25 (S-17 and S-25) shall each not exceed 0.10 pounds per hour.

(3) PM emissions from the stucco storage bins (S-18, S-19 and S-20) shall each not exceed 0.10 pounds per hour.

(4) PM emissions from the perlite ore conveyor point 29 (S-29) shall not exceed 0.47 pounds per hour.

(5) PM emissions from the perlite ore expander (S-47) shall not exceed 0.93 pounds per hour.

(6) PM emissions from the bulk sand bin (S-55) shall not exceed 0.23 pounds per hour.

(7) PM emissions from the bulk lime bin (S-56) shall not exceed 0.18 pounds per hour.

(8) PM emissions from the plaster mixer and packer (S-30) shall not exceed 2.10 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the perlite ore furnace, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.7.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the plaster production facilities shall not exceed 37 pounds per hour when operating at a process weight rate of 27 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.7.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from the perlite ore expander shall not exceed five-tenths (0.5) pound per million Btu.

D.7.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.7.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.7.1, D.7.2 and D.7.3 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.7.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.7.7 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouse for PM control shall be in operation at all times when the plaster production facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.7.8 Visible Emissions Notations

(a) Daily visible emission notations of the plaster production stack exhausts (S-14, S-17, S-18, S-19, S-20, S-25, S-29, S-30, S-47, S-55 and S-56) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.7.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse (Pt. 14, 17, 18, 19, 20, 25, 29, 30, 43, 51 and 52) used in conjunction with the plaster production facilities, at least once daily when the plaster production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.7.10 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the plaster production facilities. All defective bags shall be replaced.

D.7.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.7.12 Record Keeping Requirements

(a) To document compliance with Conditions D.7.1(b), D.7.3 and D.7.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.7.1(b) and D.7.3.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period;

(3) Sulfur content and heat content;

(4) Sulfur dioxide emission rates.

(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.7.8, the Permittee shall maintain records of daily visible emission notations of the plaster production stack exhausts.

(c) To document compliance with Condition D.7.9, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(d) To document compliance with Condition D.7.10, the Permittee shall maintain records of the results of the inspections required under Condition D.7.10.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.7.13 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.7.1(b) and D.7.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following stucco handling and storage facilities:

(fff) A conveying system, consisting of belt and pneumatic conveyors, with particulate matter emissions controlled by five (5) baghouses, identified as emissions points 16, 24, 28, 46, and 47, and exhausting to five (5) stacks, identified as S-16, S-24, S-28, S-50, and S-51, respectively. Some portions of the conveyor system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(ggg) One (1) surge bin, with a maximum throughput of 55 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 15, and exhausting to one (1) stack, identified as S-15.

(hhh) Three (3) stucco storage bins, each with a maximum throughput of 30 tons per hour, with particulate matter emissions from each bin controlled by one (1) baghouse, identified as emissions points 21, 22 and 23, and each exhausting to one (1) stack, identified as S-21, S-22, and S-23, respectively.

(iii) One (1) stucco storage bin, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 31, and exhausting to one (1) stack, identified as S-31.

(jjj) One (1) stucco storage bin, with a maximum capacity of 1000 tons, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 53, and exhausting to one (1) stack, identified as S-57.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.8.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

The particulate matter emissions from the stucco handling and storage facilities shall be limited as follows:

(a) PM emissions from board surge bin (S-15) shall not exceed 0.58 pounds per hour.

(b) PM emissions from conveyor points 18 and 24 (S-16 and S-24) shall each not exceed 0.10 pounds per hour.

(c) PM emissions from the stucco storage bins (S-21, S-22 and S-23) shall each not exceed 0.10 pounds per hour.

(d) PM emissions from the conveyor point 28 (S-28) shall not exceed 0.58 pounds per hour.

(e) PM emissions from the stucco storage bin (S-31) shall not exceed 0.70 pounds per hour.

(f) PM emissions from the stucco receiving point 46 (S-50) shall not exceed 1.17 pounds per hour.

(g) PM emissions from the airveyor inlet (S-51) shall not exceed 0.18 pounds per hour.

(h) PM emissions from the stucco storage bin (S-57) shall not exceed 1.40 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

D.8.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the stucco handling and storage facilities shall not exceed 52 pounds per hour when operating at a process weight rate of 110 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.8.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.8.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limits specified in Conditions D.8.1 and D.8.2 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.8.5 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.8.6 Visible Emissions Notations

(a) Daily visible emission notations of the stucco storage and handling stack exhausts (S-15, S-16, S-21 through S-24, S-28, S-31, S-50, S-51 and S-57) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.8.7 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 15, 16, 21 through 24, 28, 31, 50, 51 and 53) used in conjunction with the stucco storage and handling facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.8.8 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the stucco storage and handling facilities. All defective bags shall be replaced.

D.8.9 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.8.10 Record Keeping Requirements

(a) To document compliance with Condition D.8.6, the Permittee shall maintain records of daily visible emission notations of the stucco storage and handling stack exhausts.

(b) To document compliance with Condition D.8.7, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(c) To document compliance with Condition D.8.8, the Permittee shall maintain records of the results of the inspections required under Condition D.8.8.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.9 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following #1 wallboard production facilities:

(kkk) A conveying system, consisting of screw and belt conveyors and bucket elevators, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50. Some portions of the conveying system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(lll) One (1) stucco storage bin, with a maximum throughput of 25 tons per hour, with particulate matter emissions controlled by vent filters, and exhausting inside the building.

(mmm) One (1) ball mill #1, with a maximum throughput of 0.38 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 37, and exhausting to one (1) stack, identified as S-37.

(nnn) Five (5) dry additive feeders, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 35, and exhausting to one (1) stack, identified as S-35.

(ooo) One (1) dry additive feeder, with particulate matter emissions uncontrolled, and exhausting inside the building.

(ppp) One (1) paper fiber hammermill, with a maximum throughput of 0.065 tons per hour, with particulate matter emissions controlled by two (2) cyclones and one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50.

(qqq) One (1) gypsum panel slurry mixer, with a maximum throughput of 46.5 tons per hour, and exhausting inside the building.

(rrr) One (1) forming belt, with a maximum throughput of 25,000 square feet per hour, and exhausting inside the building.

(sss) One (1) natural gas or fuel oil-fired drying kiln, identified as emissions point 41, with a heat input capacity of 46.1 million Btu per hour, and exhausting to one (1) stack, identified as S-45. No. 2 fuel oil will also be used as a supplemental fuel.

(ttt) One (1) end saw, with a maximum throughput of 46.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 33, and exhausting to one (1) stack, identified as S-33. During backup situations, particulate matter emissions are controlled by one (1) baghouse, identified as emissions point 34, and exhausted to one (1) stack, identified as S-34.

(uuu) Two (2) kerfing saws, with a maximum throughput of 10,000 square feet per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 54, and exhausting to one (1) stack, identified as S-58.

(vvv) Two (2) gypsum lay-in panel (GLIP) saws, with a maximum throughput of 7,000 square feet per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 55, and exhausting to one (1) stack, identified as S-59.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.9.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from the #1 wallboard production facilities shall be limited as follows:

(1) PM emissions from ball mill #1 (S-37) shall not exceed 0.06 pounds per hour.

(2) PM emissions from the end saws (S-33) shall not exceed 0.93 pounds per hour.

(3) PM emissions from the kerfing saws (S-58) shall not exceed 0.72 pounds per hour.

(4) PM emissions from the GLIP saws (S-59) shall not exceed 0.35 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the #1 drying kiln, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.9.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the #1 wallboard production facilities shall not exceed 44 pounds per hour when operating at a process weight rate of 46.5 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.9.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from kiln #1 shall not exceed five-tenths (0.5) pound per million Btu.

D.9.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.9.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in

compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.9.1, D.9.2 and D.9.3 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.9.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.9.7 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.9.8 Visible Emissions Notations

(a) Daily visible emission notations of the #1 wallboard additive stack exhausts (S-33, S-35, S-37, S-50, S-58 and S-59) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kiln exhaust (S-46) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.9.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 33, 35, 37, 46, 54 and 55) used in conjunction with the #1 wallboard production facilities, at least once daily when the #1 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.9.10 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the #1 wallboard production facilities. All defective bags shall be replaced.

D.9.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.9.12 Record Keeping Requirements

(a) To document compliance with Conditions D.9.1(b), D.9.3 and D.9.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.9.1(b) and D.9.3.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period;

(3) Sulfur content and heat content;

(4) Sulfur dioxide emission rates.

(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.9.8, the Permittee shall maintain records of daily visible emission notations of the wallboard additive and kiln stack exhausts.

(c) To document compliance with Condition D.9.9, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(d) To document compliance with Condition D.9.10, the Permittee shall maintain records of the results of the inspections required under Condition D.9.10.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.9.13 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.9.1(b) and D.9.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

(b) To document compliance with Condition D.9.8, the Permittee shall certify, on the form provided, that natural gas was fired in the kiln at all times during the report period. Alternatively, the Permittee shall report the number of days during which an alternate fuel was burned during the report period. The form shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported.

SECTION D.10 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following #2 wallboard production facilities:

(www) A conveying system, consisting of screw and belt conveyors and bucket elevators, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50. Some portions of the conveying system are controlled by partial or total enclosure and exhaust to associated processes or inside the building.

(xxx) One (1) stucco storage silo, with a maximum throughput of 39 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 32, and exhausting to one (1) stack, identified as S-32.

(yyy) One (1) ball mill #2, with a maximum throughput of 0.15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 38, and exhausting to one (1) stack, identified as S-38.

(zzz) One (1) ball mill #3, with a maximum throughput of 0.38 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 39, and exhausting to one (1) stack, identified as S-39.

(aaaa) Five (5) dry additive feeders, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 27, and exhausting to one (1) stack, identified as S-27.

(bbbb) One (1) paper fiber hammermill, with a maximum throughput of 0.065 tons per hour, with particulate matter emissions controlled by two (2) cyclones, identified as emissions point 46, and exhausting to one (1) stack, identified as S-50.

(cccc) One (1) gypsum panel slurry mixer, with a maximum throughput of 64.5 tons per hour, and exhausting inside the building.

(dddd) One (1) forming belt, with a maximum throughput of 72,000 square feet per hour, and exhausting inside the building.

(eeee) One (1) natural gas or fuel oil-fired drying kiln, identified as emissions point 42, with a heat input capacity of 72.3 million Btu per hour, and exhausting to one (1) stack, identified as S-46. No. 2 fuel oil will also be used as a supplemental fuel.

(ffff) One (1) end saw, with a maximum throughput of 64.5 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 33, and exhausting to one (1) stack, identified as S-33. During backup situations, particulate matter emissions are controlled by one (1) baghouse, identified as emissions point 34, and exhausted to one (1) stack, identified as S-34.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.10.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from the #2 wallboard production facilities shall be limited as follows:

(1) PM emissions from the #2 board silo (S-32) shall not exceed 0.35 pounds per hour.

(2) PM emissions from the dry additive feeders (S-27) shall not exceed 0.58

(3) PM emissions from ball mill #2 (S-38) shall not exceed 0.05 pounds per hour.

(4) PM emissions from ball mill #2 (S-39) shall not exceed 0.06 pounds per hour.

(5) PM emissions from the paper mill (S-49) shall not exceed 0.70 pounds per hour.

(6) PM emissions from the end saws (S-34) shall not exceed 0.93 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the #2 drying kiln, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.10.2 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the #2 wallboard production facilities shall not exceed 47 pounds per hour when operating at a process weight rate of 64.5 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.10.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from kiln #2 shall not exceed five-tenths (0.5) pound per million Btu.

D.10.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.10.5 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.10.1, D.10.2 and D.10.3 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.10.6 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.10.7 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.10.8 Visible Emissions Notations

(a) Daily visible emission notations of the #2 wallboard additive stack exhausts (S-27, S-32, S-34, S-38, S-39 and S-49) shall be performed during normal daylight operations while in operation. Daily visible emission notations of the kiln exhaust (S-47) shall be performed during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.10.9 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pts. 27, 32, 34, 38, 39 and 45) used in conjunction with the #2 wallboard production facilities, at least once daily when the #2 wallboard production facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.10.10 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the #2 wallboard production facilities. All defective bags shall be replaced.

D.10.11 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.10.12 Record Keeping Requirements

(a) To document compliance with Conditions D.10.1(b), D.10.3 and D.10.6, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.10.1(b) and D.10.3.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period;

(3) Sulfur content and heat content;

(4) Sulfur dioxide emission rates.

(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.10.8, the Permittee shall maintain records of daily visible emission notations of the wallboard additive and kiln exhaust stacks.

(c) To document compliance with Condition D.10.9, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(d) To document compliance with Condition D.10.10, the Permittee shall maintain records of the results of the inspections required under Condition D.10.10.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.10.13 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.10.1(b) and D.10.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

(b) To document compliance with Condition D.10.8, the Permittee shall certify, on the form provided, that natural gas was fired in the kiln at all times during the report period. Alternatively, the Permittee shall report the number of days during which an alternate fuel was burned during the report period. The form shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported.

SECTION D.11 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The Dunnage machine facilities:

(gggg) One (1) Dunnage machine with saws, with a maximum throughput of 55 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 50, and exhausting to (1) stack, identified as S-54.

The following wallboard waste reclamation facilities:

(hhhh) A conveying system, consisting of belt and screw conveyors and bucket elevator, with particulate matter emissions controlled by partial or total enclosure, and exhausting to associated processes or inside the building.

(iiii) One (1) waste wallboard shredder, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 50, and exhausting directly to the atmosphere.

(jjjj) One (1) vibrating screens system, with a maximum throughput of 20 tons per hour, with particulate matter emissions controlled by partial enclosure, and exhausting inside the building.

(kkkk) One (1) waste surge bin, with a maximum capacity of 20 tons, with particulate matter emissions controlled by filters, and exhausting inside the building.

(llll) One (1) synthetic gypsum and shredded wallboard storage bin, with a maximum capacity of 60 tons, with particulate matter emissions controlled by filters, and exhausting to inside the building.

(mmmm) One (1) natural gas or fuel oil-fired impact dryer mill, identified as the Williams Mill, with a maximum throughput of 40 tons per hour, with a heat input capacity of 40 million Btu per hour, with particulate matter emissions controlled by one (1) baghouse, identified as emissions point 49, and exhausting to one (1) stack, identified as S-53.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.11.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The particulate matter emissions from the Dunnage machine and waste wallboard reclamation facilities shall be limited as follows:

(1) PM emissions from the Dunnage machine (S-54) shall not exceed 1.87 pounds per hour.

(2) PM emissions from the Williams mill (S-53) shall not exceed 9.35 pounds per hour.

Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limitations shall also satisfy the requirements of 326 IAC 6-3.

(b) Pursuant to CP 101-4068, issued on January 27, 1995, the fuel oil usage for all facilities at the gypsum processing plant, including the Williams mill, shall not exceed 3,000,000 gallons per 12 consecutive month period. In addition, the fuel oil shall not exceed three-tenths (0.3%) sulfur content by weight. Compliance with these limits make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable. Compliance with these limits shall also satisfy the requirements of 326 IAC 7-1.1.

D.11.2 New Source Performance Standard [326 IAC 12] [40 CFR 60, Subpart OOO]

Pursuant to 40 CFR 60, Subpart OOO (Nonmetallic Mineral Processing Plants), the waste wallboard reclamation facilities (S-53) shall not exceed 0.05 grams per dry standard cubic meter (g/dscm) and seven percent (7%) opacity. Any fugitive emissions associated with these facilities shall not exceed ten percent (10%) opacity.

D.11.3 Particulate Matter (PM) [326 IAC 6-3]

(a) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the Dunnage machine facilities shall not exceed 45 pounds per hour when operating at a process weight rate of 55 tons per hour.

(b) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the Dunnage machine facilities shall not exceed 46 pounds per hour when operating at a process weight rate of 60 tons per hour.

(c) The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.11.4 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-2]

Pursuant to 326 IAC 7-1.1-2 (Sulfur Dioxide Emission Limitation), the SO_2 emissions from the Williams Mill shall not exceed five-tenths (0.5) pound per million Btu.

D.11.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.11.6 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM and SO_2 limits specified in Conditions D.11.1, D.11.2, D.11.3 and D.11.4 shall be determined by performance test(s) conducted in accordance with Section C - Performance Testing.

D.11.7 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed three-tenths percent (0.3%) by weight by:

(a) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

(b) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(2) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

D.11.8 Particulate Matter (PM)

Pursuant to OP 51-03-85-0025, issued on June 8, 1981, the baghouses for PM control shall be in operation at all times when the stucco handling and storage facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.11.9 Visible Emissions Notations

(a) Daily visible emission notations of the Dunnage machine and waste wallboard reclamation stack exhausts (S-53 and S-54) shall be performed during normal daylight operations while in operation. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.11.10 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses (Pt. 49 and 50) used in conjunction with the Dunnage machine and waste wallboard reclamation facilities, at least once daily when the associated facilities are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.11.11 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the Dunnage machine and waste wallboard reclamation facilities. All defective bags shall be replaced.

D.11.12 Broken or Failed Bag Detection

In the event that bag failure has been observed.

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.11.13 Record Keeping Requirements

(a) To document compliance with Conditions D.11.1(b), D.11.4 and D.11.7, the Permittee shall maintain records in accordance with (1) through (8) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the emission limit established in D.11.1(b) and D.11.4.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period;

(3) Sulfur content and heat content;

(4) Sulfur dioxide emission rates.

(5) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance with the sulfur content limit, the following, as a minimum, shall be maintained:

(6) Fuel supplier certifications;

(7) The name of the fuel supplier; and

(8) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) To document compliance with Condition D.11.9, the Permittee shall maintain records of daily visible emission notations of the Dunnage machine and waste wallboard reclamation stack exhausts.

(c) To document compliance with Condition D.11.10, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event.

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(d) To document compliance with Condition D.11.11, the Permittee shall maintain records of the results of the inspections required under Condition D.11.11.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.11.14 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.11.1(b) and D.11.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.12 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

The following insignificant activities:

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.

Process Weight Activities

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.12.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the insignificant welding and grinding facilities shall not exceed allowable PM emission rate based on the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

Compliance Determination Requirement

D.12.2 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.12.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: United States Gypsum Company
Source Address: State Road 650, Shoals, Indiana 47581
Mailing Address: P.O. Box 1377, Shoals, Indiana 47581
Part 70 Permit No.: T101-7691-00001

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: United States Gypsum Company
Source Address: State Road 650, Shoals, Indiana 47581
Mailing Address: P.O. Box 1377, Shoals, Indiana 47581
Part 70 Permit No.: T101-7691-00001

This form consists of 2 pages **Page 1 of 2**

Check either No. 1 or No.2
9 1. This is an emergency as defined in 326 IAC 2-7-1(12) C The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and C The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c) C The Permittee must submit notice in writing within ten (**10**) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
NATURAL GAS FIRED UNIT CERTIFICATION

Source Name: United States Gypsum Company
Source Address: State Road 650, Shoals, Indiana 47581
Mailing Address: P.O. Box 1377, Shoals, Indiana 47581
Part 70 Permit No.: T101-7691-00001

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Report period
Beginning: _____
Ending: _____

Unit Affected	Alternate Fuel	Days burning alternate fuel From	To

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: United States Gypsum Company
Source Address: State Road 650, Shoals, Indiana 47581
Mailing Address: P.O. Box 1377, Shoals, Indiana 47581
Part 70 Permit No.: T101-7691-00001
Facility: All combustion sources
Parameter: SO_2 (Usage Limit), Sulfur Content, and SO_2 Emissions
Limit: 3,000,000 gallons per 12 month period and 3% sulfur content; 0.5 lbs/MMBtu

YEAR: _____

Month	Fuel Oil Usage This Month (gallons)	Fuel Oil Usage Previous 11 Months (gallons)	Fuel Oil Usage 12 Month Total (gallons)	Sulfur Content (% by Wt.)	Sulfur Dioxide Emissions (lbs/MMBtu)

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY COMPLIANCE MONITORING REPORT

Source Name: United States Gypsum Company
Source Address: State Road 650, Shoals, Indiana 47581
Mailing Address: P.O. Box 1377, Shoals, Indiana 47581
Part 70 Permit No.: T101-7691-00001

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	**Number of Deviations**	**Date of each Deviation**

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.